

Title (en)

Actuator for the angular adjustment of a tunnel washing vehicle brush boom

Title (de)

Antriebseinrichtung zur Schwenkeinstellung eines Bürstenauslegers eines Tunnelwaschfahrzeuges

Title (fr)

Vérin pour l'ajustement angulaire du bras à brosses d'un véhicule de lavage de tunnels

Publication

EP 0972947 A3 20020417 (DE)

Application

EP 99890156 A 19990519

Priority

- AT 47198 U 19980714
- AT 24199 U 19990413

Abstract (en)

[origin: EP0972947A2] A brush support arm for a tunnel cleaning vehicle holds the rotating brush against the tunnel wall and is retracted partially whenever obstructions are met eg. traffic signs, blowers etc. The main servo drive for the arm comprises a pneumatic ram (9) with a pneumatic ram (10) in series. The cylinders of the two rams are linked. The major movement of the arm is controlled by the hydraulic ram while the pneumatic ram covers the smaller deflections of the brush as well as controlling the brushing pressure

IPC 1-7

F15B 11/072; E01H 1/00; F15B 11/13

IPC 8 full level

E01H 1/00 (2006.01); **F15B 11/072** (2006.01); **F15B 11/12** (2006.01)

CPC (source: EP)

E01H 1/005 (2013.01); **F15B 11/072** (2013.01); **F15B 11/125** (2013.01); **F15B 2211/3111** (2013.01); **F15B 2211/327** (2013.01); **F15B 2211/6336** (2013.01); **F15B 2211/665** (2013.01); **F15B 2211/7053** (2013.01); **F15B 2211/765** (2013.01)

Citation (search report)

- [X] GB 1038924 A 19660810 - MATERIEL DE VOIRIE
- [AD] EP 0184577 A2 19860611 - ZELLINGER GMBH [AT]
- [AD] AT 344232 B 19780710 - ZELLINGER GMBH [AT]
- [X] PATENT ABSTRACTS OF JAPAN vol. 009, no. 309 (C - 318) 5 December 1985 (1985-12-05)

Cited by

CN101967806A; AT6809U3; EP1544356A3

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